

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION

Effective August 1, 2013

RV-78

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **August 2017**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.*

**Static and Motorized Roof Vents** manufactured by:

**Air Vent, Inc.**  
**4117 Pinnacle Point Drive**  
**Suite 400**  
**Dallas, Texas 75211**  
**Telephone: (214) 589-7219**

will be acceptable in designated catastrophe zones along the Texas Gulf Coast when installed in accordance to manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

The static roof vents are available as slant back, square, or round models. The motorized roof vents are available as round models. The vents may be steel, aluminum, or plastic construction. The vents are available in several colors. This evaluation report includes the following static and motorized roof vents:

### General Description:

Model Number	Type Vent
UH50	Static, Aluminum, Square
550	Static, Aluminum, Square
SQP61	Static, Plastic, Square
SLP61	Static, Slant Back, Plastic
SLA	Static, Slant Back, Aluminum
RVA40	Static, Square, Aluminum
RVG40	Static, Square, Steel
RVA50	Static, Square, Aluminum
RVG50	Static, Square, Steel
RVA51	Static, Square, Aluminum
RVG51	Static, Square, Steel
RVG53	Static, Square, Steel
RVG55	Static, Square, Steel
B144	Static, Round, Steel
BR26	Motorized, Round, Steel

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**Product Dimensions:**

Model Number	Base	Height
UH50	16.00" x 16.00"	3.46"
550	15.50" x 15.50"	3.80"
SQP61	17.00" x 17.94"	4.47"
SLP61	16.50" x 19.50"	5.00"
SLA	20.4" x 15.90"	4.90"
RVA40	16.80" x 14.00"	4.20"
RVG40	16.80" x 14.00"	4.20"
RVA50	16.80" x 18.80"	4.10"
RVG50	16.80" x 18.80"	4.10"
RVA51	16.80" x 15.00"	4.00"
RVG51	16.80" x 15.00"	4.00"
RVG53	15.00" x 11.80"	6.30"
RVG55	20.40" x 15.90"	5.00"
B144	24.00" x 24.00"	8.40"
BR26	24.00" x 24.00"	8.40"

**LIMITATIONS****Design Pressure:**

Model Number	Design Pressure
UH50	-90 psf
550	-90 psf
SQP61	-90 psf
SLP61	-90 psf
SLA	-130 psf
RVA40	-80 psf
RVG40	-80 psf
RVA50	-80 psf
RVG50	-80 psf
RVA51	-80 psf
RVG51	-90 psf
RVG53	-90 psf
RVG55	-130 psf
B144	-230 psf
BR26	-230 psf

**Roof Slope:** The roof vents shall be installed on roofs with a minimum slope of 3:12 and a maximum slope of 12:12.

**INSTALLATION INSTRUCTIONS****General Installation Instructions:**

All requirements specified in the International Residential Code (IRC) and the International Building Code (IBC) must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

**Deck:** The roof deck shall consist of plywood with a minimum nominal thickness of  $\frac{15}{32}$  inch.

**Attachment of Roof Vent to Roof Deck:** The base of the vent shall be attached to the deck with minimum 1  $\frac{1}{4}$ " long, 11 gauge, smooth shank roofing nails. The fasteners shall be located 1 inch from each corner and one (1) at the mid span of each side. The fasteners shall be long enough to penetrate into and through the roof deck.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.